

ABSTRACT OF THE DISCLOSURE

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An immunogenic conjugate which is the reductive amination
product of an immunogenic capsular polymer fragment having at
least one reducing group and derived from a bacterial
5 capsular polymer of a bacterial pathogen, and a bacterial
toxin or toxoid. The invention also relates to methods for
the preparation of the conjugates, a vaccine containing the
conjugates which elicits effective levels of anti-capsular
polymer antibodies in humans. Also disclosed are methods for
10 inducing active immunization against systemic infection in
young mammals caused by bacterial pathogens comprising the
administration of an immunogenic amount of the above-
described conjugate. In a preferred embodiment, the capsular
polymer fragment prior to conjugation has at least one
15 aldehyde group at each end of the fragment. The final
conjugate made with such capsular polymers has a lattice or
network structure, and provides extremely high levels of
anti-capsular polymer antibodies in infants. EA

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